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OM protein - protein search, using sw model

Run on: September 7, 2003, 08:41:08 ; Search time 12.5321 Seconds
(without alignments)
865.534 Million cell updates/sec

Title: US-09-234-208B-1

Sequence: 1 GTHTSLPRPAVPVPLRMQ.....VGRGPDPAHVAVNLSRYEG 79

Scoring table:

Gapor 60.0 , Gapext 60.0

Searched: 513375 seqs, 137303645 residues

word size

Total number of hits satisfying chosen parameters: 513375

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Minimum DB seq length: 0
Maximum DB seq length: 3
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Maximum DB seq length: 20000000000

Post-processing: Listing first 45 summaries

Database : Published Applications_AA:*

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10. /cgn2_6/p/ptodaa/1/pubpaa/US09_PUBCOMB.pcp.*
11. /cgn2_6/p/ptodaa/1/pubpaa/US09C_PUBCOMB.pcp.*
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16. /cgn2_6/p/ptodaa/1/pubpaa/US10_NEM_PUB.pcp.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	8	10.1	458	15	US-10-156-761-12570	Sequence 12570, A
2	7	8.9	61	9	US-09-864-761-44740	Sequence 44740, A
3	7	8.9	215	14	US-10-001-878-210	Sequence 210, A
4	7	8.9	255	12	US-10-203-708-45	Sequence 45, A
5	7	8.9	635	12	US-10-241-220-85	Sequence 85, A
6	7	8.9	824	11	US-09-909-567B-53	Sequence 53, A
7	7	8.9	880	11	US-09-893-519A-36	Sequence 36, A
8	7	8.9	903	15	US-10-087-464-52	Sequence 52, A
9	7	8.9	906	10	US-09-746-491-26	Sequence 48, A
10	7	8.9	912	11	US-09-291-417-25	Sequence 26, A
11	7	8.9	968	11	US-09-925-388-7	Sequence 107, A
12	7	8.9	1091	11	US-09-925-388-7	Sequence 7, A
13	7	8.9	1096	15	US-10-128-718-3376	Sequence 3376, A
14	6	7.6	14	11	US-09-880-748-2555	Sequence 2555, A
15	6	7.6	19	15	US-10-225-567A-1939	Sequence 1939, A

16	6	7.6	25	15	US-10-097-065-289	Sequence 289, App
17	6	7.6	30	12	US-09-864-761-45510	Sequence 45510, A
18	6	7.6	34	11	US-10-299-043-11	Sequence 11, Appl
19	6	7.6	30	11	US-09-755-109-21	Sequence 21, Appl
20	6	7.6	38	9	US-09-864-761-11953	Sequence 41953, A
21	6	7.6	62	11	US-09-764-891-4971	Sequence 4971, App
22	6	7.6	68	9	US-09-764-887-226	Sequence 226, App
23	6	7.6	68	15	US-10-073-961-226	Sequence 226, App
24	6	7.6	77	9	US-09-864-761-35919	Sequence 35919, A
25	6	7.6	86	9	US-09-764-869-1118	Sequence 1118, App
26	6	7.6	86	15	US-10-091-504-1118	Sequence 1118, App
27	6	7.6	93	9	US-09-764-869-798	Sequence 798, App
28	6	7.6	93	15	US-10-091-504-798	Sequence 798, App
29	6	7.6	109	15	US-10-102-806-424	Sequence 424, App
30	6	7.6	114	9	US-09-864-761-88224	Sequence 88224, A
31	6	7.6	129	15	US-10-102-806-531	Sequence 531, App
32	6	7.6	131	10	US-09-771-1611-148	Sequence 148, Appl
33	6	7.6	147	10	US-09-764-847-828	Sequence 828, App
34	6	7.6	147	15	US-10-092-154-828	Sequence 828, App
35	6	7.6	149	11	US-09-764-891-4267	Sequence 4267, App
36	6	7.6	155	15	US-10-106-698-5942	Sequence 5942, App
37	6	7.6	166	16	US-10-174-693-273	Sequence 273, App
38	6	7.6	168	9	US-09-925-301-1470	Sequence 1470, Ap
39	6	7.6	168	10	US-09-738-626-5732	Sequence 5732, Ap
40	6	7.6	200	15	US-10-156-761-11083	Sequence 11083, A
41	6	7.6	217	12	US-09-949-029-54	Sequence 54, Appl
42	6	7.6	224	15	US-10-156-761-12887	Sequence 12887, A
43	6	7.6	234	15	US-10-086-156-5	Sequence 5, Appl1
44	6	7.6	238	14	US-10-024-579-16	Sequence 16, Appl
45	6	7.6	241	15	US-10-278-173-78	Sequence 78, Appl

ALIGNMENTS

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RESULT 1
US/10-156-761-12570
; Sequence 12570, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRU
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 12570

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Query Match	10.1%	Score 8	DB 15	Length 458
Best Local Similarity	100.0%	Pred. NC. 14		
Matches 8	Conservative 0	Mismatches 0	Indels 0	Gaps 0

QY	42	SLPLAPLS	45
Db	78	SLPLAPLS	85

RESULT 2
US-09-864-761-44740

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/ Sequence 44740, Application US/09864761
/ Patent No. US20020048763A1
/ GENERAL INFORMATION:
/ APPLICANT: Penn, Sharon G.
/ APPLICANT: Rank, David R.
/ APPLICANT: Hanzel, David K.
/ APPLICANT: Chen, Wensheng
/ TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
/ FILE REFERENCE: Aecmics-X-1
/ CURRENT APPLICATION NUMBER: US/09/864,761
/ CURRENT FILING DATE: 2001-05-23
/ PRIOR APPLICATION NUMBER: US 60/180,312
/ PRIOR FILING DATE: 2000-02-04
/ PRIOR APPLICATION NUMBER: US 60/207,456
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: US 09/632,366
/ PRIOR FILING DATE: 2000-08-03
/ PRIOR APPLICATION NUMBER: GB 24263,6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 09/608,408
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: US 09/774,203
/ PRIOR FILING DATE: 2001-01-29
/ NUMBER OF SEQ ID NOS: 49117
/ SOFTWARE: Annotmax Sequence Listing Engine vers. 1.1
/ SEQ ID NO 44740
/ LENGTH: 61
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: MAP TO AC016057.3
/ OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.72
/ OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.59
/ OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.53
/ OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.52
/ OTHER INFORMATION: SWISSPROT HIT: Q13563, EVALUE 2.00e+00
/ OTHER INFORMATION: EST_HUMAN HIT: BF570694.1, EVALUE 4.00e-16
/ US-09-864-761-44740
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Query Match      8.9%; Score 7; DB 9; Length 61;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      23 AHPVLSF 29
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Db      37 AHPVLSF 43
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RESULT 3
US-10-001-876-210
/ Sequence 210, Application US/100001876
/ Publication No. US20020177140A1
/ GENERAL INFORMATION:
/ APPLICANT: Salceda, Susana
/ APPLICANT: Macina, Roberto
/ APPLICANT: Recipon, Herve
/ APPLICANT: Cafferkey, Robert
/ APPLICANT: Ali, Shujath
/ APPLICANT: Sun, Yongming
/ APPLICANT: Liu, Chenghua
/ TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific Genes and
/ FILE REFERENCE: DEX-0285
/ CURRENT APPLICATION NUMBER: US/10/001,876
/ CURRENT FILING DATE: 2001-11-20
/ PRIOR APPLICATION NUMBER: 60/252,166
/ PRIOR FILING DATE: 2000-11-21
/ NUMBER OF SEQ ID NOS: 211
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 210
/ LENGTH: 215
/ TYPE: PRT
/ ORGANISM: Homo sapien
/ US-10-001-876-210
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Query Match      8.9%; Score 7; DB 14; Length 215;
Best Local Similarity 100.0%; Pred. No. 64;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      27 LSFRLPS 33
      |||||
Db      60 LSFRLPS 66
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RESULT 4
US-10-203-708-45
/ Sequence 45, Application US/10203708
/ Publication No. US20030149238A1
/ GENERAL INFORMATION:
/ APPLICANT: SMITHKLINE BEECHAM CORPORATION
/ APPLICANT: SMITHKLINE BEECHAM P.L.C.
/ TITLE OF INVENTION: NOVEL COMPOUNDS
/ FILE REFERENCE: GP50013
/ CURRENT APPLICATION NUMBER: US/10/203,708
/ CURRENT FILING DATE: 2002-08-13
/ PRIOR APPLICATION NUMBER: PCT/US01/04703
/ PRIOR FILING DATE: 2001-02-14
/ PRIOR APPLICATION NUMBER: 60/182,172
/ PRIOR FILING DATE: 2000-02-14
/ PRIOR APPLICATION NUMBER: 60/186,084
/ PRIOR FILING DATE: 2000-02-29
/ NUMBER OF SEQ ID NOS: 46
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 45
/ LENGTH: 255
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-203-708-45
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Query Match      8.9%; Score 7; DB 12; Length 255;
Best Local Similarity 100.0%; Pred. No. 75;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      7 PRPAVP 13
      |||||
Db      233 PRPAVP 239
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RESULT 5
US-10-241-220-85
/ Sequence 85, Application US/10241220
/ Publication No. US20030148408A1
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GENERAL INFORMATION:
APPLICANT: Frantz, Gretchen
APPLICANT: Hillan, Kenneth J.
APPLICANT: Phillips, Heidi
APPLICANT: Polakis, Paul
APPLICANT: Spencer, Susan
APPLICANT: Williams, P. Mickey
APPLICANT: Wu, Thomas
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
FILE REFERENCE: P5010R1-US
CURRENT APPLICATION NUMBER: US/10/241,220
CURRENT FILING DATE: 2002-12-13
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 85
LENGTH: 635
TYPE: PRT
ORGANISM: Homo Sapien
US-10-241-220-85

Query Match 8.9%; Score 7; DB 12; Length 635;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 46 APLSPTS 52
Db 9 APLSPTS 15

RESULT 6
US-09-909-567B-53
Sequence 53, Application US/09909567B
Publication No. US20030022257A1
GENERAL INFORMATION:
APPLICANT: Macina, Roberto A.
APPLICANT: Nair, Manoj
APPLICANT: Chen, Seiyu
TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific Genes
FILE REFERENCE: DEX-0214
CURRENT APPLICATION NUMBER: US/09/909,567B
CURRENT FILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: 60/219,834
PRIOR FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 56
SOFTWARE: PatentIn version 3.1
SEQ ID NO 53
LENGTH: 824
TYPE: PRT
ORGANISM: Homo sapien
US-09-909-567B-53

Query Match 8.9%; Score 7; DB 11; Length 824;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 AVPVPLR 17
Db 405 AVPVPLR 411

RESULT 7
US-09-893-519A-36
Sequence 36, Application US/09893519A
Publication No. US20030027243A1
GENERAL INFORMATION:
APPLICANT: ANADYS PHARMACEUTICALS, INC.
APPLICANT: THOMPSON, Craig
APPLICANT: MOORE, Jeffrey
APPLICANT: BUDMAN, Ed T.
APPLICANT: BRADLEY, John
APPLICANT: DESILVA, Thameera
APPLICANT: HARRIS, Sandra

APPLICANT: KOMARNITSKY, Svetlana
APPLICANT: MENDILLO, Marc
APPLICANT: MOORE, Daniel
APPLICANT: MCCOY, Melissa
APPLICANT: SANDERSON, Karen
APPLICANT: HAO, Tariq
APPLICANT: ZHU, Shuhao
APPLICANT: LONG, Fan
TITLE OF INVENTION: ANTIFUNGAL COMPOUNDS AND METHODS OF USE
FILE REFERENCE: 0342/1G548-US2
CURRENT APPLICATION NUMBER: US/09/893,519A
CURRENT FILING DATE: 2001-06-28
PRIOR APPLICATION NUMBER: US 60/215,164
PRIOR FILING DATE: 2000-06-29
PRIOR APPLICATION NUMBER: US 60/224,457
PRIOR FILING DATE: 2000-08-10
NUMBER OF SEQ ID NOS: 146
SOFTWARE: PatentIn version 3.1
SEQ ID NO 36
LENGTH: 880
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Corresponds to SEQ ID NO: 109
PUBLICATION INFORMATION:
DATABASE ACCESSION NUMBER: Human Genbank/AA039727
DATABASE ENTRY DATE: 1998-05-06
RELEVANT RESIDUES: (1)..(880)
US-09-893-519A-36

Query Match 8.9%; Score 7; DB 11; Length 880;
Best Local Similarity 100.0%; Pred. No. 2.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 24 HPVLSFL 30
Db 424 HPVLSFL 430

RESULT 8
US-10-087-464-52
Sequence 52, Application US/10087464
Publication No. US20030059435A1
GENERAL INFORMATION:
APPLICANT: Chishtil, Athar
APPLICANT: Oh, Steven
APPLICANT: Liu, David
APPLICANT: Goel, Vikas
APPLICANT: Li, Xuerong
TITLE OF INVENTION: Band 3 Antigenic Peptides, Malaria Polypeptides and Uses Thereof
FILE REFERENCE: S1237/7019
CURRENT APPLICATION NUMBER: US/10/087,464
CURRENT FILING DATE: 2002-03-01
PRIOR APPLICATION NUMBER: US 06/272,930
PRIOR FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 59
SOFTWARE: PatentIn version 3.0
SEQ ID NO 52
LENGTH: 903
TYPE: PRT
ORGANISM: Plasmodium falciparum
US-10-087-464-52

Query Match 8.9%; Score 7; DB 15; Length 903;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 54 PISPVSV 60
Db 375 PISPVSV 381

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RESULT 9
US-09-746-491-48
; Sequence 48, Application US/09746491
; Patent No. US2002013702A1
; GENERAL INFORMATION:
; APPLICANT: Burgess, Catherine E.
; TITLE OF INVENTION: No. US2002013702A1 Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 15966-621
; CURRENT APPLICATION NUMBER: US/09/746,491
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: USSN 60/171,329
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 48
; LENGTH: 906
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-746-491-48

Query Match      8.9%; Score 7; DB 10; Length 906;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      70 VAVNLNR 76
      |||||
DB      117 VAVNLNR 123

RESULT 10
US-09-291-417-26
; Sequence 26, Application US/09291417A
; Publication No. US20030050230A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: MARTINEZ, RICARDO
; APPLICANT: WHYTE, DAVID
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
; FILE REFERENCE: 240/300
; CURRENT APPLICATION NUMBER: US/09/291,417A
; CURRENT FILING DATE: 1999-04-13
; EARLIER APPLICATION NUMBER: US 60/081,784
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 26
; LENGTH: 912
; TYPE: PRT
; ORGANISM: Mammalian (Human) GEK2
US-09-291-417-26

Query Match      8.9%; Score 7; DB 11; Length 912;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      11 AVVPPLR 17
      |||||
DB      405 AVVPPLR 411

RESULT 11
US-09-291-417-107
; Sequence 107, Application US/09291417A
; Publication No. US20030050230A1
; GENERAL INFORMATION:
; APPLICANT: PLOWMAN, GREGORY
; APPLICANT: MARTINEZ, RICARDO
; APPLICANT: WHYTE, DAVID
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
; FILE REFERENCE: 240/300
; CURRENT APPLICATION NUMBER: US/09/291,417A
; CURRENT FILING DATE: 1999-04-13
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; EARLIER APPLICATION NUMBER: US 60/081,784
; EARLIER FILING DATE: 1998-04-14
; NUMBER OF SEQ ID NOS: 147
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 107
; LENGTH: 968
; TYPE: PRT
; ORGANISM: Full Length Mammalian (Human) GEK2
US-09-291-417-107

Query Match      8.9%; Score 7; DB 11; Length 968;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      11 AVVPPLR 17
      |||||
DB      405 AVVPPLR 411

RESULT 12
US-09-925-388-7
; Sequence 7, Application US/09925388
; Publication No. US20030054523A1
; GENERAL INFORMATION:
; APPLICANT: HOSHINO, Tatsuo
; APPLICANT: OJIMA, Kazuyuki
; APPLICANT: SETOGUCHI, Yutaka
; TITLE OF INVENTION: ISOPRENOID PRODUCTION
; FILE REFERENCE: ISOPRENOID PRODUCTION
; CURRENT APPLICATION NUMBER: US/09/925,388
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 09/306,595
; PRIOR FILING DATE: 1999-05-06
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 1091
; TYPE: PRT
; ORGANISM: Phaffia rhodozyma
US-09-925-388-7

Query Match      8.9%; Score 7; DB 11; Length 1091;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY      54 PISPVSV 60
      |||||
DB      506 PISPVSV 512

RESULT 13
US-10-128-714-3376
; Sequence 3376, Application US/10128714
; Publication No. US20030119013A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
; APPLICANT: Hu, Mengqi
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Eroshekin, Alexey M
; APPLICANT: Lemieux, Sebastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US/10/128,714
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US 60/285,697
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: US 60/287,066
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 60/295,890
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/303,899
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;; PRIOR FILING DATE: 2001-07-09
;; PRIOR APPLICATION NUMBER: US 60/316,362
;; PRIOR FILING DATE: 2001-08-31
;; NUMBER OF SEQ ID NOS: 8603
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO: 3376
;; LENGTH: 1096
;; TYPE: PRT
;; ORGANISM: Aspergillus fumigatus
US-10-128-714-3376

Query Match 8.9%; Score 7; DB 15; Length 1096;
Best Local Similarity 100.0%; Pred.No. 2.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 43 LPLAPLS 49
Db 795 LPLAPLS 801

RESULT 14
US-09-880-748-2555
;; Sequence 2555, Application US/09880748
;; Publication No. US20030059937A1
;; GENERAL INFORMATION:
;; APPLICANT: Ruben et al.
;; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
;; FILE REFERENCE: PF523
;; CURRENT APPLICATION NUMBER: US/09/880,748
;; CURRENT FILING DATE: 2001-06-15
;; PRIOR APPLICATION NUMBER: 60/212,210
;; PRIOR FILING DATE: 2000-06-15
;; PRIOR APPLICATION NUMBER: 60/240,816
;; PRIOR FILING DATE: 2000-10-17
;; PRIOR APPLICATION NUMBER: 60/276,248
;; PRIOR FILING DATE: 2001-03-16
;; PRIOR APPLICATION NUMBER: 60/277,379
;; PRIOR FILING DATE: 2001-03-21
;; PRIOR APPLICATION NUMBER: 60/293,499
;; PRIOR FILING DATE: 2001-05-25
;; NUMBER OF SEQ ID NOS: 3239
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO: 2555
;; LENGTH: 14
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-880-748-2555

Query Match 7.6%; Score 6; DB 11; Length 14;
Best Local Similarity 100.0%; Pred.No. 52;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 44 PLAPLS 49
Db 8 PLAPLS 13

RESULT 15
US-10-225-567A-1939
;; Sequence 1939, Application US/10225567A
;; Publication No. US20030113798A1
;; GENERAL INFORMATION:
;; APPLICANT: LifeSpan Biosciences
;; APPLICANT: Brown, Joseph P.
;; APPLICANT: Burner, Glenna C.
;; APPLICANT: Roush, Christine L.
;; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
;; FILE REFERENCE: 1920-4-4
;; CURRENT APPLICATION NUMBER: US/10/225,567A
;; CURRENT FILING DATE: 2001-12-19
;; PRIOR APPLICATION NUMBER: 60/257,144
;; PRIOR FILING DATE: 2000-12-19
;; NUMBER OF SEQ ID NOS: 2292

;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO: 1939
;; LENGTH: 19
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-225-567A-1939

Query Match 7.6%; Score 6; DB 15; Length 19;
Best Local Similarity 100.0%; Pred.No. 68;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 20 PGPAPHP 25
Db 9 PGPAPHP 14

Search completed: September 7, 2003, 09:06:25
Job time : 13.5321 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using SW model

Run on: September 7, 2003, 08:41:03 ; Search time 8.249 seconds
(without alignments)
405.208 Million cell updates/sec

Title: US-09-234-208B-1

Perfect score: 79

Sequence: 1 GTHSLPPRAVPVPLRMQP.....VGRGPDPAHVAVNLRYEG 79

Scoring table: OLIGO
Gapop 60.0, Gapext 60.0

Searched: 328717 seqs, 42310858 residues

Word size: 0

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database: Issued Patents, AA:*

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3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
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6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result	No.	Score	Query Match	Length	ID	Description
1	79	100.0	79	4	US-09-630-155-1	Sequence 1, Appli
2	79	100.0	419	4	US-09-630-155-2	Sequence 2, Appli
3	7	8.9	162	4	US-09-252-991A-19744	Sequence 19744, A
4	7	8.9	195	4	US-09-252-991A-29314	Sequence 29314, A
5	7	8.9	306	4	US-09-252-991A-23169	Sequence 23169, A
6	7	8.9	328	3	US-09-300-672-2	Sequence 2, Appli
7	7	8.9	487	4	US-09-252-991A-29392	Sequence 29392, A
8	7	8.9	550	4	US-09-252-991A-19086	Sequence 19086, A
9	7	8.9	597	4	US-09-252-991A-24252	Sequence 24252, A
10	7	8.9	635	4	US-09-014-969-11	Sequence 11, Appli
11	7	8.9	1091	3	US-09-306-595C-7	Sequence 7, Appli
12	7	8.9	1091	4	US-09-925-388-7	Sequence 146, App
13	6	7.6	12	2	US-08-811-492-146	Sequence 49, Appl
14	6	7.6	15	1	US-08-036-555B-49	Sequence 49, Appl
15	6	7.6	15	1	US-08-469-569-49	Sequence 49, Appl
16	6	7.6	15	1	US-08-249-322A-49	Sequence 49, Appl
17	6	7.6	15	1	US-08-469-526A-49	Sequence 49, Appl
18	6	7.6	15	2	US-08-734-591A-49	Sequence 49, Appl
19	6	7.6	15	2	US-08-469-660-49	Sequence 49, Appl
20	6	7.6	15	3	US-08-341-018-82	Sequence 82, Appl
21	6	7.6	15	3	US-08-470-335-49	Sequence 49, Appl
22	6	7.6	15	3	US-08-735-021-49	Sequence 49, Appl
23	6	7.6	15	3	US-08-734-664A-49	Sequence 49, Appl
24	6	7.6	15	3	US-08-470-339-49	Sequence 49, Appl
25	6	7.6	15	4	US-08-467-602-49	Sequence 49, Appl
26	6	7.6	15	5	PCT-US94-05083C-46	Sequence 46, Appl
27	6	7.6	15	5	PCT-US95-06846A-49	Sequence 49, Appl

28	6	7.6	16	1	US-08-036-555B-37	Sequence 37, Appl
29	6	7.6	16	1	US-08-469-569-37	Sequence 37, Appl
30	6	7.6	16	1	US-08-249-322A-37	Sequence 37, Appl
31	6	7.6	16	1	US-08-469-526A-37	Sequence 37, Appl
32	6	7.6	16	2	US-08-734-591A-37	Sequence 37, Appl
33	6	7.6	16	2	US-08-469-660-37	Sequence 37, Appl
34	6	7.6	16	3	US-08-470-335-37	Sequence 37, Appl
35	6	7.6	16	3	US-08-735-021-37	Sequence 37, Appl
36	6	7.6	16	3	US-08-734-664A-37	Sequence 37, Appl
37	6	7.6	16	3	US-08-470-339-37	Sequence 37, Appl
38	6	7.6	16	4	US-08-467-602-37	Sequence 37, Appl
39	6	7.6	16	5	PCT-US94-05083C-37	Sequence 37, Appl
40	6	7.6	16	5	PCT-US95-06846A-37	Sequence 37, Appl
41	6	7.6	30	4	US-09-537-226-11	Sequence 11, Appl
42	6	7.6	34	1	US-08-118-270-81	Sequence 81, Appl
43	6	7.6	34	2	US-08-085-122-11	Sequence 21, Appl
44	6	7.6	34	2	US-08-319-052-21	Sequence 21, Appl
45	6	7.6	34	3	US-08-442-108B-21	Sequence 21, Appl

ALIGNMENTS

```
RESULT 1
US-09-630-155-1
; Sequence 1, Application US/09630155
; Patent No. 6414130
GENERAL INFORMATION:
APPLICANT: Doherty, Joni Kristin and Gail M. Clinton
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESS: DAVIS WRIGHT TREMAINE LLP
STREET: 1501 Pouch Avenue, 2600 Century Square
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: PC compatible
OPERATING SYSTEM: windows95
SOFTWARE: Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/630,155
FILING DATE: 16-Jan-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Davison, Barry L.
REGISTRATION NUMBER: 47,309
REFERENCE/DOCKET NUMBER: 49321-10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206 628-7621
TELEFAX: 206 628-7699
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 79
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: HER-2 ECD antagonist
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-630-155-1
Query Match 100.0%; Score 79; DB 4; Length 79;
Best Local Similarity 100.0%; Pred. No. 2.8e-69;
Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GTHSLPPRAVPVPLRMQGPAPHVLSFLAPSDIVSAFYSLPLAPSPVSPVSV 60
Db 1 GTHSLPPRAVPVPLRMQGPAPHVLSFLRSDVSAFYSLPLAPSPVSPVSV 60
QY 61 GRGPDPAHVAVNLRYEG 79
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Db 61 GRGPPDAHVAVNLRYEG 79

RESULT 2
US-09-630-155-2

/ Sequence 2, Application US/09630155
/ Patent No. 6414130
/ GENERAL INFORMATION:
/ APPLICANT: Doherty, Joni Kristin and Gail M. Clinton
/ TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
/ NUMBER OF SEQUENCES: 9
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: DAVIS WRIGHT TREMAINE LLP
/ STREET: 1501 Fourth Avenue, 2600 Century Square
/ CITY: Seattle
/ STATE: Washington
/ COUNTRY: U.S.A.
/ ZIP: 98101
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: PC compatible
/ OPERATING SYSTEM: Windows95
/ SOFTWARE: Word
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/630,155
/ FILING DATE: 16-Jan-2001
/ CLASSIFICATION: <Unknown>
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Davison, Barry L.
/ REGISTRATION NUMBER: 47,309
/ REFERENCE/DOCKET NUMBER: 49321-10
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 206 628-7621
/ TELEFAX: 206 628-7699
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 419
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: unknown
/ MOLECULE TYPE: polypeptide
/ SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-630-155-2

Query Match 100.0%; Score 79; DB 4; Length 419;
Best Local Similarity 100.0%; Pred. No. 1.2e-68;
Matches 79; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTHSLPRPAVPVPLRMQPGAPVLSFLRPSWDVSAFYSLPLAPLSPTSPVSPVSV 60
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Db 341 GTHSLPRPAVPVPLRMQPGAPVLSFLRPSWDVSAFYSLPLAPLSPTSPVSPVSV 400
QY 61 GRGPPDAHVAVNLRYEG 79
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Db 401 GRGPPDAHVAVNLRYEG 419

RESULT 3
US-09-252-991A-19744
/ Sequence 19744, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27

/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 19744
/ LENGTH: 162
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19744

Query Match 8.9%; Score 7; DB 4; Length 162;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 PRPAVP 13
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Db 11 PRPAVP 17

RESULT 4
US-09-252-991A-29314
/ Sequence 29314, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 29314
/ LENGTH: 195
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-29314

Query Match 8.9%; Score 7; DB 4; Length 195;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 PRPAVP 13
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Db 25 PRPAVP 31

RESULT 5
US-09-252-991A-23169
/ Sequence 23169, Application US/09252991A
/ Patent No. 6551795
/ GENERAL INFORMATION:
/ APPLICANT: Marc J. Rubenfield et al.
/ TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
/ FILE REFERENCE: 107196.136
/ CURRENT APPLICATION NUMBER: US/09/252,991A
/ CURRENT FILING DATE: 1999-02-18
/ PRIOR APPLICATION NUMBER: US 60/074,788
/ PRIOR FILING DATE: 1998-02-18
/ PRIOR APPLICATION NUMBER: US 60/094,190
/ PRIOR FILING DATE: 1998-07-27
/ NUMBER OF SEQ ID NOS: 33142
/ SEQ ID NO 23169
/ LENGTH: 306
/ TYPE: PRT
/ ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23169

Query Match 8.9%; Score 7; DB 4; Length 306;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;


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Qy 49 SPTSVPI 55
Db 86 SPTSVPI 92

RESULT 6
US-09-300-672-2
; Sequence 2, Application US/09300672
; Patent No. 6248937
; GENERAL INFORMATION:
; APPLICANT: Finkelstein, Ruth R.
; APPLICANT: Lynch, Tim
; APPLICANT: Goodman, Howard M.
; APPLICANT: Wang, Ming-Li
; TITLE OF INVENTION: A TRANSCRIPTION FACTOR REGULATING SEED DEVELOPMENT,
; FILE REFERENCE: 480.89(HV)
; CURRENT APPLICATION NUMBER: US/09/300,672
; CURRENT FILING DATE: 1999-04-27
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 328
; TYPE: PRT
; ORGANISM: Arabidopsis
US-09-300-672-2

Query Match 8.9%; Score 7; DB 3; Length 328;
Best Local Similarity 100.0%; Pred. No. 37;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 LLRPAA 11
Db 144 LLRPAA 150

RESULT 7
US-09-252-991A-29392
; Sequence 29392, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 29392
; LENGTH: 487
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-29392

Query Match 8.9%; Score 7; DB 4; Length 487;
Best Local Similarity 100.0%; Pred. No. 52;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 LRPAAV 12
Db 141 LRPAAV 147

RESULT 8
US-09-252-991A-19086
; Sequence 19086, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.

Qy 5 LLRPAA 11
Db 32 LLRPAA 38

RESULT 9
US-09-252-991A-24252
; Sequence 24252, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 24252
; LENGTH: 597
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-24252

Query Match 8.9%; Score 7; DB 4; Length 597;
Best Local Similarity 100.0%; Pred. No. 62;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 LLRPAA 11
Db 387 LLRPAA 393

RESULT 10
US-09-014-969-11
; Sequence 11, Application US/09014969
; Patent No. 5965397
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallie, Edward R.
; APPLICANT: Racie, Lisa A.
; APPLICANT: Werberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; APPLICANT: Agostino, Michael J.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESSES:
```

ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: MA
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/014,969
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Sprunger, Suzanne A.
REGISTRATION NUMBER: 41,323
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8284
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 635 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-014-969-11

Query Match 8.9%; Score 7; DB 2; Length 635;
Best Local Similarity 100.0%; Pred.No. 66;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 46 APLSPTS 52
DB 9 APLSPTS 15

RESULT 11
US-09-306-595C-7
Sequence 7, Application US/09306595C
Patent No. 6284506
GENERAL INFORMATION:
APPLICANT: HOSHINO, Tatsuo
APPLICANT: OJIMA, Kazuyuki
APPLICANT: SETOGUCHI, Yutaka
TITLE OF INVENTION: ISOPRENOID PRODUCTION
FILE REFERENCE: ISOPRENOID PRODUCTION
CURRENT APPLICATION NUMBER: US/09/306,595C
CURRENT FILING DATE: 1999-05-06
PRIOR APPLICATION NUMBER: 98108210
PRIOR FILING DATE: 1998-05-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 7
LENGTH: 1091
TYPE: PRT
ORGANISM: Phaffia rhodozyma
US-09-306-595C-7

Query Match 8.9%; Score 7; DB 3; Length 1091;
Best Local Similarity 100.0%; Pred.No. 1,1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 54 PISPVSV 60
DB 506 PISPVSV 512

RESULT 12
US-09-925-388-7
Sequence 7, Application US/09925388

Patent No. 6586202
GENERAL INFORMATION:
APPLICANT: HOSHINO, Tatsuo
APPLICANT: OJIMA, Kazuyuki
APPLICANT: SETOGUCHI, Yutaka
TITLE OF INVENTION: ISOPRENOID PRODUCTION
FILE REFERENCE: ISOPRENOID PRODUCTION
CURRENT APPLICATION NUMBER: US/09/925,388
CURRENT FILING DATE: 2001-08-09
PRIOR APPLICATION NUMBER: 09/306,595
PRIOR FILING DATE: 1999-05-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 7
LENGTH: 1091
TYPE: PRT
ORGANISM: Phaffia rhodozyma
US-09-925-388-7

Query Match 8.9%; Score 7; DB 4; Length 1091;
Best Local Similarity 100.0%; Pred.No. 1,1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 54 PISPVSV 60
DB 506 PISPVSV 512

RESULT 13
US-08-811-492-146
Sequence 146, Application US/08811492
Patent No. 5834247
GENERAL INFORMATION:

APPLICANT: COMB, DONALD G.
APPLICANT: BERLER, FRANCINE B.
APPLICANT: JACK, WILLIAM B.
APPLICANT: XU, MING-QUN
APPLICANT: HODGES, ROBERT A.
APPLICANT: NOREN, CHRISTOPHER J.
APPLICANT: CHONG, SHAO-RONG S.C.
APPLICANT: ADAM, ERIC
APPLICANT: SOUTHWORTH, MAURICE
TITLE OF INVENTION: MODIFIED PROTEINS, METHODS OF THEIR
TITLE OF INVENTION: PRODUCTION AND METHODS FOR PURIFICATION OF TARGET
TITLE OF INVENTION: PROTEINS
NUMBER OF SEQUENCES: 155
CORRESPONDENCE ADDRESS:
ADDRESSER: GREGORY D. WILLIAMS, NEW ENGLAND BIOLABS, INC.
STREET: 32 TOZER ROAD
CITY: BEVERLY
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 01915

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC\ DOS/MS\ DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/811,492
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/580,555
FILING DATE: 29-DEC-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/496,247
FILING DATE: 28-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/146,885
FILING DATE: 03-NOV-1993

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/004,139
FILING DATE: 09-DEC-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Williams, Gregory D
REGISTRATION NUMBER: 30901
REFERENCE/DOCKET NUMBER: NEB-036C4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 508-927-5054
TELEFAX: 509-927-1705
TELEX:
INFORMATION FOR SEQ ID NO: 146:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-811-492-146

Query Match 7.6%; Score 6; DB 2; Length 12;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 45 LAPLSP 50
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Db 7 LAPLSP 12

RESULT 14
US-08-036-555B-49
Sequence 49, Application US/08036555B
Patent No. 5531019
GENERAL INFORMATION:
APPLICANT: Goodearl, Andrew; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchionni, Mark;
APPLICANT: Chen, Maio Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
TITLE OF INVENTION: Preparation and Use
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/036,555B
FILING DATE: 24-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Tsai, Christine H.
REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: LUD 5250.4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-036-555B-49

ATTORNEY/AGENT INFORMATION:
NAME: Tsai, Christine H.
REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: LUD 5250.4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-036-555B-49

Query Match 7.6%; Score 6; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 56 SPVSVG 61
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Db 2 SPVSVG 7

RESULT 15
US-08-469-569-49
Sequence 49, Application US/08469569
Patent No. 5606032
GENERAL INFORMATION:
APPLICANT: Goodearl, Andrew; Stroobant, Paul;
APPLICANT: Minghetti, Luisa; Waterfield, Michael; Marchionni, Mark;
APPLICANT: Chen, Maio Su; Hiles, Ian
TITLE OF INVENTION: Glial Mitogenic Factors, Their
TITLE OF INVENTION: Preparation and Use
NUMBER OF SEQUENCES: 184
CORRESPONDENCE ADDRESS:
ADDRESSEE: Felfe & Lynch
STREET: 805 Third Avenue
CITY: New York City
STATE: New York
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage
COMPUTER: IBM
OPERATING SYSTEM: PC-DOS
SOFTWARE: Wordperfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,569
FILING DATE: 06-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/036,555
FILING DATE: 24-MAR-1993
APPLICATION NUMBER: 07/965,173
FILING DATE: 23-OCT-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/940,389
FILING DATE: 03-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/907,138
FILING DATE: 30-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/863,703
FILING DATE: 03-APRIL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.K. 91 07566.3
FILING DATE: 10-APRIL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Tsai, Christine H.
REGISTRATION NUMBER: 34,266
REFERENCE/DOCKET NUMBER: LUD 5250.4
TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 688-9200
TELEFAX: (212) 838-3884
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-469-569-49

Query Match 7 6% Score 6; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 56 SPVSVG 61
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Db 2 SPVSVG 7

Search completed: September 7, 2003, 08:58:19
Job time : 9.249 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 7, 2003, 08:41:08 ; Search time 66.4679 Seconds
(without alignments)
865.534 Million cell updates/sec

Title: US-09-234-208B-2

Perfect score: 419

Sequence: 1 MELALCRWGLLALLPPGA.....VGRGPPDAVAVNISSRYEG 419

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 513375 seqs, 137303645 residues

Word size : 0

Total number of hits satisfying chosen parameters: 513375

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Published Applications AA.*

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16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	340	81.1	645	9 US-09-921-161-1	Sequence 1, Appl1
2	340	81.1	645	15 US-10-268-501-13	Sequence 13, Appl1
3	340	81.1	653	10 US-09-854-356-3	Sequence 3, Appl1
4	340	81.1	712	10 US-09-854-356-7	Sequence 7, Appl1
5	340	81.1	919	10 US-09-854-356-6	Sequence 6, Appl1
6	340	81.1	1253	15 US-10-146-473-72	Sequence 72, Appl1
7	340	81.1	1255	9 US-09-811-123-9	Sequence 9, Appl1
8	340	81.1	1255	9 US-09-811-115-3	Sequence 9, Appl1
9	340	81.1	1255	10 US-09-769-508-2	Sequence 2, Appl1
10	340	81.1	1255	10 US-09-854-356-1	Sequence 1, Appl1
11	340	81.1	1255	10 US-09-930-125-2	Sequence 2, Appl1
12	340	81.1	1255	11 US-09-441-411-6	Sequence 6, Appl1
13	340	81.1	1255	12 US-10-207-498-6	Sequence 6, Appl1
14	340	81.1	1255	12 US-10-338-730-2	Sequence 2, Appl1
15	340	81.1	1255	12 US-10-313-644-2	Sequence 2, Appl1

16	340	81.1	1255	15 US-10-207-655-45	Sequence 45, Appl1
17	340	81.1	1255	15 US-10-177-293-126	Sequence 126, App
18	292	69.7	479	9 US-09-821-883-5	Sequence 5, Appl1
19	292	69.7	555	9 US-09-821-883-1	Sequence 1, Appl1
20	292	69.7	564	9 US-09-821-883-3	Sequence 3, Appl1
21	292	69.7	690	9 US-09-821-883-2	Sequence 2, Appl1
22	289	69.0	697	9 US-09-821-883-4	Sequence 4, Appl1
23	289	69.0	289	9 US-09-821-883-23	Sequence 23, Appl1
24	191	45.6	191	11 US-09-441-411-9	Sequence 9, Appl1
25	166	39.6	166	12 US-10-356-824-1	Sequence 1, Appl1
26	52	12.4	654	10 US-09-854-356-8	Sequence 8, Appl1
27	52	12.4	1256	10 US-09-854-356-2	Sequence 2, Appl1
28	52	12.4	1260	10 US-09-870-759-118	Sequence 118, App
29	52	12.4	1260	12 US-09-751-708A-118	Sequence 118, App
30	44	10.5	1256	10 US-09-854-356-14	Sequence 14, Appl1
31	32	7.6	32	12 US-10-356-824-2	Sequence 2, Appl1
32	22	5.3	22	9 US-09-466-320-19	Sequence 19, Appl1
33	22	5.3	68	9 US-09-466-320-11	Sequence 11, Appl1
34	18	4.3	19	9 US-09-466-320-20	Sequence 20, Appl1
35	18	4.3	65	9 US-09-466-320-12	Sequence 12, Appl1
36	15	3.6	15	10 US-09-888-721-21	Sequence 21, Appl1
37	15	3.6	15	12 US-10-282-860-78	Sequence 78, Appl1
38	14	3.3	14	15 US-10-001-546-31	Sequence 31, Appl1
39	10	2.4	10	15 US-09-572-404B-3780	Sequence 3780, Ap
40	10	2.4	10	15 US-10-001-546-30	Sequence 30, Appl1
41	9	2.1	9	10 US-09-017-743C-70	Sequence 70, Appl1
42	9	2.1	9	15 US-10-001-546-17	Sequence 17, Appl1
43	9	2.1	9	15 US-10-001-546-20	Sequence 20, Appl1
44	9	2.1	9	15 US-10-001-546-21	Sequence 21, Appl1
45	9	2.1	9	15 US-10-001-546-22	Sequence 22, Appl1

ALIGNMENTS

RESULT 1
US-09-921-161-1
; Sequence 1, Application US/09921161
; Patent No. US2002009062A1
; GENERAL INFORMATION:
; APPLICANT: Ralph, Peter
; TITLE OF INVENTION: ANALYTICAL METHOD
; FILE REFERENCE: GENENT.066A
; CURRENT APPLICATION NUMBER: US/09/921.161
; CURRENT FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/225,433
; PRIOR FILING DATE: 2000-08-15
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-921-161-1

Query Match	81.1%	Score 340;	DB 9;	Length 645;
Best Local Similarity	100.0%	Pred. No. 7.4e-304;	Indels 0;	Gaps 0;
Matches 340;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
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DB	1	MELALCRWGLLALLPPGA	STOVCTGTDKRLPAS	PETHLMDLHYGCGVQGNL 60
QY	61	ELTYLPNAGSLPIODIOEVGYL	IAHNOVROPLORLIVRGTOU	PEDNYALAVDNG 120
DB	61	ELTYLPNAGSLPIODIOEVGYL	IAHNOVROPLORLIVRGTOU	PEDNYALAVDNG 120
QY	121	DPLNNTTPTVAGSGRLRELO	RLSTELKGVLIQNPOLCYOD	TLMKOIFPKNOOLA 180
DB	121	DPLNNTTPTVAGSGRLRELO	RLSTELKGVLIQNPOLCYOD	TLMKOIFPKNOOLA 180
QY	181	LTLIDTRSRACHPDSIMCKS	RCWGSSESDCOSLTFRTV	AGGACGKGLPTDCHEOC 240
DB	181	LTLIDTRSRACHPDSIMCKS	RCWGSSESDCOSLTFRTV	AGGACGKGLPTDCHEOC 240

Db 181 LTLIDTNRSRACHPCSPMCKGSRGWESSEDCQSLTRTVACAGCARCKGPLPTDCHEQC 240
QY 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
Db 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTQRCCKSKPCAR 340
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RESULT 2

US-10-268-501-13
; Sequence 13, Application US/10268501
; Publication No. US20030086924A1
; GENERAL INFORMATION:
; APPLICANT: Sliwkowski, Mark X.
; TITLE OF INVENTION: Treatment with Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2P1
; CURRENT APPLICATION NUMBER: US/10/268,501
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: US 09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-268-501-13

Query Match 81.1%; Score 340; DB 15; Length 645;
Best Local Similarity 100.0%; Pred. No. 7,4e-304;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MELAALCRWGLLLALLPPGAASSTOVCTGTDMLRLPASPETHLDMRLHYGCGVVGNTL 60
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Db 241 AAGCTGPRHSDCLACHFNHSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
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RESULT 3

US-09-854-356-3
; Sequence 3, Application US/09854356
; Patent No. US20020177567A1
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Cheyssen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356

; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 3
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of human HER-2/neu
US-09-854-356-3

Query Match 81.1%; Score 340; DB 10; Length 653;
Best Local Similarity 100.0%; Pred. No. 7,5e-304;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTQRCCKSKPCAR 340

RESULT 4

US-09-854-356-7
; Sequence 7, Application US/09854356
; Patent No. US20020177567A1
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Cheyssen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 7
; LENGTH: 712
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: fusion protein
; OTHER INFORMATION: of ECD and delta pd of human HER-2/neu
US-09-854-356-7

Query Match 81.1%; Score 340; DB 10; Length 712;

Best Local Similarity 100.0%; Pred. No. 8e-304;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 301 YNYLSTDVGSCTLVCPFLHNOEVTAEADGTQRCCKSKPCAR 340
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RESULT 5

US-09-854-356-6
; Sequence 6, Application US/09854356
; Patent No. US20020177567A1
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Cheyven, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; PRIOR FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 919
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: fusion protein
; OTHER INFORMATION: of ECD and PD of human HER-2/neu
US-09-854-356-6

Query Match 81.1%; Score 340; DB 10; Length 919;
Best Local Similarity 100.0%; Pred. No. 9.9e-304;

Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MELAALCRWGLLALLPFGAASSTOVCTGTMKRLRSPASPTHLDMLRHLVGGCQVVGNTL 60
QY 61 ELTYLPTNASISFLDIOIEVGGVYLIAHNOVRQVPLQRLRIYRGTLFEDNYALAVLDNG 120
Db 61 ELTYLPTNASISFLDIOIEVGGVYLIAHNOVRQVPLQRLRIYRGTLFEDNYALAVLDNG 120
QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
Db 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPMKGSRGSESSDCCSLTRTVACAGCARCKGPLPTDCCHQC 240
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Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MELAALCRWGLLALLPFGAASSTOVCTGTMKRLRSPASPTHLDMLRHLVGGCQVVGNTL 60
QY 61 ELTYLPTNASISFLDIOIEVGGVYLIAHNOVRQVPLQRLRIYRGTLFEDNYALAVLDNG 120
Db 61 ELTYLPTNASISFLDIOIEVGGVYLIAHNOVRQVPLQRLRIYRGTLFEDNYALAVLDNG 120
QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
Db 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPMKGSRGSESSDCCSLTRTVACAGCARCKGPLPTDCCHQC 240
Db 181 LTLIDTNSRACHPCSPMKGSRGSESSDCCSLTRTVACAGCARCKGPLPTDCCHQC 240
QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTTFGASCVTACP 300
Db 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTTFGASCVTACP 300
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Db 301 YNYLSTDVGSCTLVCPFLHNOEVTAEADGTQRCCKSKPCAR 340
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RESULT 6

US-10-146-473-72
; Sequence 72, Application US/10146473
; Publication No. US20030108888A1
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Matthew
; APPLICANT: Gout, Ivan
; APPLICANT: Stockert, Elisabeth
; APPLICANT: Gure, Ali
; APPLICANT: Chen, Yao-Tseng
; APPLICANT: Old, Lloyd
; TITLE OF INVENTION: Breast Cancer Antigens
; FILE REFERENCE: L00461/70130(JRV)
; CURRENT APPLICATION NUMBER: US/10/146,473
; PRIOR FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: US 60/291,150
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 72
; LENGTH: 1253
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-146-473-72

Query Match 81.1%; Score 340; DB 15; Length 1253;
Best Local Similarity 100.0%; Pred. No. 1.3e-303;

Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MELAALCRWGLLALLPFGAASSTOVCTGTMKRLRSPASPTHLDMLRHLVGGCQVVGNTL 60
Db 1 MELAALCRWGLLALLPFGAASSTOVCTGTMKRLRSPASPTHLDMLRHLVGGCQVVGNTL 60
QY 61 ELTYLPTNASISFLDIOIEVGGVYLIAHNOVRQVPLQRLRIYRGTLFEDNYALAVLDNG 120
Db 61 ELTYLPTNASISFLDIOIEVGGVYLIAHNOVRQVPLQRLRIYRGTLFEDNYALAVLDNG 120
QY 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
Db 121 DPLNNTPTVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPMKGSRGSESSDCCSLTRTVACAGCARCKGPLPTDCCHQC 240
Db 181 LTLIDTNSRACHPCSPMKGSRGSESSDCCSLTRTVACAGCARCKGPLPTDCCHQC 240
QY 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTTFGASCVTACP 300
Db 241 AAGCTGPKHSDCLACLFHNSGICELHCPALVTYNTDFESMPNPEGRTTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPFLHNOEVTAEADGTQRCCKSKPCAR 340
Db 301 YNYLSTDVGSCTLVCPFLHNOEVTAEADGTQRCCKSKPCAR 340
```

RESULT 7

US-09-811-123-9
; Sequence 9, Application US/09811123
; Patent No. US20020001587A1
; GENERAL INFORMATION:
; APPLICANT: Sharon Erickson
; APPLICANT: Ralph Schwalli

```

; APPLICANT: Mark Sliwowski
; TITLE OF INVENTION: METHODS OF TREATMENT USING ANTI-EBB
; FILE REFERENCE: GENENT 073A2
; CURRENT FILING DATE: 2001-03-16
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/238,327
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: 09/602,530
; PRIOR FILING DATE: 2000-06-23
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-811-123-9

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Query Match      81.1%; Score 340; DB 9; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 MELALACRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLHYOGCCVVGNTL 60
      1 MELALACRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLHYOGCCVVGNTL 60
DB      1 MELALACRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLHYOGCCVVGNTL 60
QY      61 ELTYLPTNASLSFLDIOIEVGGVLIANOVROVPLQRLIRYRGTLFEDNYALAVLDNG 120
      61 ELTYLPTNASLSFLDIOIEVGGVLIANOVROVPLQRLIRYRGTLFEDNYALAVLDNG 120
DB      61 ELTYLPTNASLSFLDIOIEVGGVLIANOVROVPLQRLIRYRGTLFEDNYALAVLDNG 120
QY      121 DELNNTTPTVTGASPGGLRELOLRSLTEILKGGVLIQRNPOLCYODTIIMKDIFFHKNOLA 180
      121 DELNNTTPTVTGASPGGLRELOLRSLTEILKGGVLIQRNPOLCYODTIIMKDIFFHKNOLA 180
DB      121 DELNNTTPTVTGASPGGLRELOLRSLTEILKGGVLIQRNPOLCYODTIIMKDIFFHKNOLA 180
QY      181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCOSLTRIVCAGGCARCGPLPTDCCHQC 240
      181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCOSLTRIVCAGGCARCGPLPTDCCHQC 240
DB      181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCOSLTRIVCAGGCARCGPLPTDCCHQC 240
QY      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMNPREGRTTFGASCVTACP 300
      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMNPREGRTTFGASCVTACP 300
DB      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMNPREGRTTFGASCVTACP 300
QY      301 YNYLSTDVGSCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340
      301 YNYLSTDVGSCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340
DB      301 YNYLSTDVGSCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340

```

```

RESULT 8
US-09-811-115-3
; Sequence 3, Application US/09811115
; Patent No. US20020035736A1
; GENERAL INFORMATION:
; APPLICANT: Erickson, Sharon
; APPLICANT: Schwall, Ralph
; APPLICANT: King, Kathleen
; TITLE OF INVENTION: HER-2 TRANSGENIC NON-HUMAN TUMOR MODEL
; FILE REFERENCE: GENENT 034A
; CURRENT APPLICATION NUMBER: US/09/811,115
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/189,844
; PRIOR FILING DATE: 2000-03-16
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-811-115-3

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```

Query Match      81.1%; Score 340; DB 9; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 MELALACRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLHYOGCCVVGNTL 60
      1 MELALACRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLHYOGCCVVGNTL 60
DB      1 MELALACRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLHYOGCCVVGNTL 60
QY      61 ELTYLPTNASLSFLDIOIEVGGVLIANOVROVPLQRLIRYRGTLFEDNYALAVLDNG 120
      61 ELTYLPTNASLSFLDIOIEVGGVLIANOVROVPLQRLIRYRGTLFEDNYALAVLDNG 120
DB      61 ELTYLPTNASLSFLDIOIEVGGVLIANOVROVPLQRLIRYRGTLFEDNYALAVLDNG 120
QY      121 DELNNTTPTVTGASPGGLRELOLRSLTEILKGGVLIQRNPOLCYODTIIMKDIFFHKNOLA 180
      121 DELNNTTPTVTGASPGGLRELOLRSLTEILKGGVLIQRNPOLCYODTIIMKDIFFHKNOLA 180
DB      121 DELNNTTPTVTGASPGGLRELOLRSLTEILKGGVLIQRNPOLCYODTIIMKDIFFHKNOLA 180
QY      181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCOSLTRIVCAGGCARCGPLPTDCCHQC 240
      181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCOSLTRIVCAGGCARCGPLPTDCCHQC 240
DB      181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCOSLTRIVCAGGCARCGPLPTDCCHQC 240
QY      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMNPREGRTTFGASCVTACP 300
      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMNPREGRTTFGASCVTACP 300
DB      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMNPREGRTTFGASCVTACP 300
QY      301 YNYLSTDVGSCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340
      301 YNYLSTDVGSCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340
DB      301 YNYLSTDVGSCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340

```

```

RESULT 9
US-09-769-508-2
; Sequence 2, Application US/09769508
; Patent No. US2002015527A1
; GENERAL INFORMATION:
; APPLICANT: STUHAN, SUSAN G.
; APPLICANT: MONAHAN, JOHN J.
; APPLICANT: LANGTON, BEATRICE CLAUDIA
; APPLICANT: HANCOCK, MIRIAM E.C.
; APPLICANT: CHAO, LORRINE A.
; APPLICANT: BLUFORD, PETER
; TITLE OF INVENTION: C-ERBB-2 EXTERNAL DOMAIN: GP75
; FILE REFERENCE: BEBIO-111-C1
; CURRENT APPLICATION NUMBER: US/09/769,508
; CURRENT FILING DATE: 2001-01-26
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-769-508-2

```

```

Query Match      81.1%; Score 340; DB 10; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

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QY      1 MELALACRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLHYOGCCVVGNTL 60
      1 MELALACRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLHYOGCCVVGNTL 60
DB      1 MELALACRWGLLALLPPGAASSTQVCTGDMKRLRPASPEHLDMLRHLHYOGCCVVGNTL 60
QY      61 ELTYLPTNASLSFLDIOIEVGGVLIANOVROVPLQRLIRYRGTLFEDNYALAVLDNG 120
      61 ELTYLPTNASLSFLDIOIEVGGVLIANOVROVPLQRLIRYRGTLFEDNYALAVLDNG 120
DB      61 ELTYLPTNASLSFLDIOIEVGGVLIANOVROVPLQRLIRYRGTLFEDNYALAVLDNG 120
QY      121 DELNNTTPTVTGASPGGLRELOLRSLTEILKGGVLIQRNPOLCYODTIIMKDIFFHKNOLA 180
      121 DELNNTTPTVTGASPGGLRELOLRSLTEILKGGVLIQRNPOLCYODTIIMKDIFFHKNOLA 180
DB      121 DELNNTTPTVTGASPGGLRELOLRSLTEILKGGVLIQRNPOLCYODTIIMKDIFFHKNOLA 180
QY      181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCOSLTRIVCAGGCARCGPLPTDCCHQC 240
      181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCOSLTRIVCAGGCARCGPLPTDCCHQC 240
DB      181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCOSLTRIVCAGGCARCGPLPTDCCHQC 240
QY      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMNPREGRTTFGASCVTACP 300
      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMNPREGRTTFGASCVTACP 300
DB      241 AAGCTGPRKSDCLACLFHNSGICELHCPALVTYNTDFESMNPREGRTTFGASCVTACP 300
QY      301 YNYLSTDVGSCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340
      301 YNYLSTDVGSCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340

```


Db 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKCSKPCAR 340

RESULT 10

US-09-854-356-1
; Sequence 1, Application US/09854356
; Patent No. US20020177567A1
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Cheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; PRIOR FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human HER-2/neu protein
; NAME/KEY: DOMAIN
; LOCATION: (1)..(653)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (676)..(1255)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1255)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1048)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)
US-09-854-356-1

Query Match 81.1%; Score 340; DB 10; Length 1255;

Best Local Similarity 100.0%; Pred. No. 1.3e-303; Indels 0; Gaps 0;
Matches 340; Conservative 0; Mismatches 0;

Qy 1 MELAALCRWGLLLALPPGAASVQCTGTDMLRLPASPEHLDMLRHLVGGCQVVGQNL 60
Db 1 MELAALCRWGLLLALPPGAASVQCTGTDMLRLPASPEHLDMLRHLVGGCQVVGQNL 60
Qy 61 ELTYLPTNASLSFLDIOEVGGVLIANOVROVPLQRLIRVGTQLFEDNYALAVLDNG 120
Db 61 ELTYLPTNASLSFLDIOEVGGVLIANOVROVPLQRLIRVGTQLFEDNYALAVLDNG 120
Qy 121 DPLNNTTAVTASPGGLRELQRLSTELIKGGLVLIQRPOLCYQDTILMKDIFHKNOLA 180
Db 121 DPLNNTTAVTASPGGLRELQRLSTELIKGGLVLIQRPOLCYQDTILMKDIFHKNOLA 180
Qy 181 LTLIDTNRSAHCPSPCKSGRCWGESSEDCQSLTRTVACGAGCARCKGPLPTDCCHQC 240
Db 181 LTLIDTNRSAHCPSPCKSGRCWGESSEDCQSLTRTVACGAGCARCKGPLPTDCCHQC 240
Qy 241 AAGCTGPGHSDCLACLFHNSGICELHCPALVYNTDTFESMPNDEGRYTGASCVTACP 300
Db 241 AAGCTGPGHSDCLACLFHNSGICELHCPALVYNTDTFESMPNDEGRYTGASCVTACP 300
Qy 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKCSKPCAR 340
Db 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKCSKPCAR 340

RESULT 11
US-09-930-125-2
; Sequence 2, Application US/09930125
; Publication No. US20020193329A1
; GENERAL INFORMATION:
; APPLICANT: Hand-Zimmerman, Susan
; APPLICANT: Cheever, Martin A.
; APPLICANT: Foy, Teresa M.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Kalos, Michael D.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Vedvick, Thomas S.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.544
; CURRENT APPLICATION NUMBER: US/09/930,125
; PRIOR FILING DATE: 2001-08-14
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-930-125-2

Query Match 81.1%; Score 340; DB 10; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.3e-303; Indels 0; Gaps 0;
Matches 340; Conservative 0; Mismatches 0;

Qy 1 MELAALCRWGLLLALPPGAASVQCTGTDMLRLPASPEHLDMLRHLVGGCQVVGQNL 60
Db 1 MELAALCRWGLLLALPPGAASVQCTGTDMLRLPASPEHLDMLRHLVGGCQVVGQNL 60
Qy 61 ELTYLPTNASLSFLDIOEVGGVLIANOVROVPLQRLIRVGTQLFEDNYALAVLDNG 120
Db 61 ELTYLPTNASLSFLDIOEVGGVLIANOVROVPLQRLIRVGTQLFEDNYALAVLDNG 120
Qy 121 DPLNNTTAVTASPGGLRELQRLSTELIKGGLVLIQRPOLCYQDTILMKDIFHKNOLA 180
Db 121 DPLNNTTAVTASPGGLRELQRLSTELIKGGLVLIQRPOLCYQDTILMKDIFHKNOLA 180
Qy 181 LTLIDTNRSAHCPSPCKSGRCWGESSEDCQSLTRTVACGAGCARCKGPLPTDCCHQC 240
Db 181 LTLIDTNRSAHCPSPCKSGRCWGESSEDCQSLTRTVACGAGCARCKGPLPTDCCHQC 240
Qy 241 AAGCTGPGHSDCLACLFHNSGICELHCPALVYNTDTFESMPNDEGRYTGASCVTACP 300
Db 241 AAGCTGPGHSDCLACLFHNSGICELHCPALVYNTDTFESMPNDEGRYTGASCVTACP 300
Qy 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKCSKPCAR 340
Db 301 YNYLSTDVGSCTLVCPPLHNOEVTAEADGTORCEKCSKPCAR 340

RESULT 12
US-09-441-411-6
; Sequence 6, Application US/09441411
; Publication No. US20030008342A1
; GENERAL INFORMATION:
; APPLICANT: Scholler, Mary L.
; APPLICANT: Disis, Nathalie B.
; APPLICANT: Hellstrom, Inggerd
; APPLICANT: Hellstrom, Karl Erik
; TITLE OF INVENTION: SURFACE RECEPTOR ANTIGEN VACCINES
; FILE REFERENCE: 730033.409
; CURRENT APPLICATION NUMBER: US/09/441,411
; CURRENT FILING DATE: 1999-11-16
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-441-411-6

Query Match 81.1%; Score 340; DB 11; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCRWGLLLALPPGAASSTVCTGTDMLRLPASPEHLDMLRHLRYGCGVQGNL 60
DB 1 MELALCRWGLLLALPPGAASSTVCTGTDMLRLPASPEHLDMLRHLRYGCGVQGNL 60
QY 61 ELTYLPTNASISFLDIOEVQGYVLIANOVROVPLQRLIRVGTQLEFEDNYALAVLDNG 120
DB 61 ELTYLPTNASISFLDIOEVQGYVLIANOVROVPLQRLIRVGTQLEFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRPOLCYODTILMKDIFHKNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRPOLCYODTILMKDIFHKNNOLA 180
QY 181 LTLIDTNRSRACHPCSPMCKSRGWESSEDCOSLTRTVCAAGCARCKGPLPTDCHEQC 240
DB 181 LTLIDTNRSRACHPCSPMCKSRGWESSEDCOSLTRTVCAAGCARCKGPLPTDCHEQC 240
QY 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNBEGRYTFGASCVTACP 300
DB 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNBEGRYTFGASCVTACP 300
QY 301 YNYLSTDVSGCTIVCPHNOEVTAEADGTORCEKSKPCAR 340
DB 301 YNYLSTDVSGCTIVCPHNOEVTAEADGTORCEKSKPCAR 340

RESULT 13

US-10-207-498-6
Sequence 6, Application US/10207498
Publication No. US20030143368A1

GENERAL INFORMATION:
APPLICANT: Elizabeth Singer
APPLICANT: Ralf Landgraf
APPLICANT: Dennis J. Slamon
APPLICANT: David Eisenberg
TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING
TITLE OF INVENTION: AND MODULATING INTERACTIONS BETWEEN HERGULIN AND HER3
FILE REFERENCE: 30448.103-US-01
CURRENT APPLICATION NUMBER: US/10/207,498
CURRENT FILING DATE: 2002-07-29
PRIOR APPLICATION NUMBER: 60/308,431
PRIOR FILING DATE: 2001-07-27
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6
LENGTH: 1255
TYPE: PRT
ORGANISM: Homo sapiens
US-10-207-498-6

Query Match 81.1%; Score 340; DB 12; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCRWGLLLALPPGAASSTVCTGTDMLRLPASPEHLDMLRHLRYGCGVQGNL 60
DB 1 MELALCRWGLLLALPPGAASSTVCTGTDMLRLPASPEHLDMLRHLRYGCGVQGNL 60
QY 61 ELTYLPTNASISFLDIOEVQGYVLIANOVROVPLQRLIRVGTQLEFEDNYALAVLDNG 120
DB 61 ELTYLPTNASISFLDIOEVQGYVLIANOVROVPLQRLIRVGTQLEFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRPOLCYODTILMKDIFHKNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRPOLCYODTILMKDIFHKNNOLA 180
QY 181 LTLIDTNRSRACHPCSPMCKSRGWESSEDCOSLTRTVCAAGCARCKGPLPTDCHEQC 240
DB 181 LTLIDTNRSRACHPCSPMCKSRGWESSEDCOSLTRTVCAAGCARCKGPLPTDCHEQC 240

DB 181 LTLIDTNRSRACHPCSPMCKSRGWESSEDCOSLTRTVCAAGCARCKGPLPTDCHEQC 240

QY 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNBEGRYTFGASCVTACP 300

DB 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNBEGRYTFGASCVTACP 300

QY 301 YNYLSTDVSGCTIVCPHNOEVTAEADGTORCEKSKPCAR 340

DB 301 YNYLSTDVSGCTIVCPHNOEVTAEADGTORCEKSKPCAR 340

RESULT 14
US-10-338-730-2
Sequence 2, Application US/10338730
Publication No. US20030147905A1

GENERAL INFORMATION:
APPLICANT: Genzyme Corporation
APPLICANT: Nicolette, Charles A.
TITLE OF INVENTION: THERAPEUTIC COMPOUNDS
FILE REFERENCE: 5017C
CURRENT APPLICATION NUMBER: US/10/338,730
CURRENT FILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: US 09/527,487
PRIOR FILING DATE: 2002-03-16
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 1255
TYPE: PRT
ORGANISM: Homo sapiens
US-10-338-730-2

Query Match 81.1%; Score 340; DB 12; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCRWGLLLALPPGAASSTVCTGTDMLRLPASPEHLDMLRHLRYGCGVQGNL 60
DB 1 MELALCRWGLLLALPPGAASSTVCTGTDMLRLPASPEHLDMLRHLRYGCGVQGNL 60
QY 61 ELTYLPTNASISFLDIOEVQGYVLIANOVROVPLQRLIRVGTQLEFEDNYALAVLDNG 120
DB 61 ELTYLPTNASISFLDIOEVQGYVLIANOVROVPLQRLIRVGTQLEFEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRPOLCYODTILMKDIFHKNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGVLIQRPOLCYODTILMKDIFHKNNOLA 180
QY 181 LTLIDTNRSRACHPCSPMCKSRGWESSEDCOSLTRTVCAAGCARCKGPLPTDCHEQC 240
DB 181 LTLIDTNRSRACHPCSPMCKSRGWESSEDCOSLTRTVCAAGCARCKGPLPTDCHEQC 240
QY 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNBEGRYTFGASCVTACP 300
DB 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDTPESMPNBEGRYTFGASCVTACP 300
QY 301 YNYLSTDVSGCTIVCPHNOEVTAEADGTORCEKSKPCAR 340
DB 301 YNYLSTDVSGCTIVCPHNOEVTAEADGTORCEKSKPCAR 340

RESULT 15
US-10-313-644-2
Sequence 2, Application US/10313644
Publication No. US20030157119A1

GENERAL INFORMATION:
APPLICANT: Gaiger, Alexander
APPLICANT: Cheever, Martin A.
APPLICANT: Hand-Zimmerman, Susan
TITLE OF INVENTION: METHODS FOR DIAGNOSIS AND THERAPY OF HEMATOLOGICAL
FILE REFERENCE: 210121.483C3
CURRENT APPLICATION NUMBER: US/10/313,644

; CURRENT FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-313-644-2

Query Match 81.1%; Score 340; DB 12; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.3e-303;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MELALCEWGLLALLPPGAASVCTGTDMKRLPASPETHLDMLRHLYGCGVVGNTL	60
Db	1	MELALCEWGLLALLPPGAASVCTGTDMKRLPASPETHLDMLRHLYGCGVVGNTL	60
Qy	61	ELTYLPTNASLFLDIDIEVQGVLIANQVQVPLQRLIRYRGTOLEFEDNYALAVLDNG	120
Db	61	ELTYLPTNASLFLDIDIEVQGVLIANQVQVPLQRLIRYRGTOLEFEDNYALAVLDNG	120
Qy	121	DPLNNTTPTVGTASPGGLRELQRLSLTEILKGGVLIQBNPOLCYODTILMKDIFHKNNOLA	180
Db	121	DPLNNTTPTVGTASPGGLRELQRLSLTEILKGGVLIQBNPOLCYODTILMKDIFHKNNOLA	180
Qy	181	LTLIDTNSRACHPCSPMCKGSRGWSESEDCOSLTRTVACAGCARCKGPLEPTDCHEQC	240
Db	181	LTLIDTNSRACHPCSPMCKGSRGWSESEDCOSLTRTVACAGCARCKGPLEPTDCHEQC	240
Qy	241	AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTTFESMPNPEGRYTFGASCVTACP	300
Db	241	AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTTFESMPNPEGRYTFGASCVTACP	300
Qy	301	YNYLSTDVGSCTLVCPLEHNOEVTARDGTORCEKSKPCAR	340
Db	301	YNYLSTDVGSCTLVCPLEHNOEVTARDGTORCEKSKPCAR	340

Search completed: September 7, 2003, 09:06:27
Job time : 68.4679 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compen Ltd.

OM protein - protein search, using sw model

Run on: September 7, 2003, 08:41:03; Search time 43.751 Seconds
(without alignments)
405.208 Million cell updates/sec

Title: US-09-234-208B-2

Perfect score: 419
Sequence: 1 MELAALCRWGLLALLPPGA.....VGRGPPDAHVAVNLRYEG 419

Scoring table: OLIGO
Gapop 60.0, Gapext 60.0

Searched: 328717 seqs, 42310858 residues

Word size: 0

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database: Issued Patents, AA:*

1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/6C.COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	419	100.0	419	4	US-09-630-155-2
2	340	81.1	782	2	US-09-146-283-4
3	340	81.1	782	3	US-08-579-823A-4
4	340	81.1	782	3	US-09-344-195-4
5	340	81.1	1255	1	US-08-467-083-68
6	340	81.1	1255	1	US-08-414-417B-68
7	340	81.1	1255	2	US-08-484-438-8
8	340	81.1	1255	2	US-08-486-348A-68
9	340	81.1	1255	2	US-08-625-101-2
10	340	81.1	1255	2	US-08-468-545B-68
11	340	81.1	1255	2	US-08-356-786-2
12	340	81.1	1255	3	US-08-466-680B-68
13	340	81.1	1255	4	US-09-527-487-2
14	319	76.1	624	4	US-08-422-108-1
15	319	76.1	624	4	US-08-422-734-1
16	96	22.9	97	4	US-08-421-356-3
17	96	22.9	97	4	US-09-046-783-3
18	79	18.9	79	4	US-09-630-155-1
19	17	4.1	17	1	US-08-467-083-61
20	17	4.1	17	1	US-08-414-417B-61
21	17	4.1	17	2	US-08-486-348A-61
22	17	4.1	17	2	US-08-468-545B-61
23	17	4.1	17	3	US-08-466-680B-61
24	15	3.6	15	1	US-08-467-083-30
25	15	3.6	15	1	US-08-467-083-31
26	15	3.6	15	1	US-08-467-083-32
27	15	3.6	15	1	US-08-467-083-33

28	15	3.6	15	1	US-08-467-083-56	Sequence 56, Appl
29	15	3.6	15	1	US-08-414-417B-30	Sequence 30, Appl
30	15	3.6	15	1	US-08-414-417B-31	Sequence 31, Appl
31	15	3.6	15	1	US-08-414-417B-32	Sequence 32, Appl
32	15	3.6	15	1	US-08-414-417B-33	Sequence 33, Appl
33	15	3.6	15	1	US-08-414-417B-56	Sequence 56, Appl
34	15	3.6	15	2	US-08-486-348A-30	Sequence 30, Appl
35	15	3.6	15	2	US-08-486-348A-31	Sequence 31, Appl
36	15	3.6	15	2	US-08-486-348A-32	Sequence 32, Appl
37	15	3.6	15	2	US-08-486-348A-33	Sequence 33, Appl
38	15	3.6	15	2	US-08-466-348A-56	Sequence 56, Appl
39	15	3.6	15	2	US-08-468-545B-30	Sequence 30, Appl
40	15	3.6	15	2	US-08-468-545B-31	Sequence 31, Appl
41	15	3.6	15	2	US-08-468-545B-32	Sequence 32, Appl
42	15	3.6	15	2	US-08-468-545B-33	Sequence 33, Appl
43	15	3.6	15	2	US-08-468-545B-56	Sequence 56, Appl
44	15	3.6	15	3	US-08-466-680B-30	Sequence 30, Appl
45	15	3.6	15	3	US-08-466-680B-31	Sequence 31, Appl

ALIGNMENTS

```
RESULT 1
US-09-630-155-2
; Sequence 2, Application US/09630155
; Patent No. 6414130
GENERAL INFORMATION:
APPLICANT: Doherty, Toni Kristin and Gail M. Clinton
TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESS: DAVIS WRIGHT TREMAINE LLP
STREET: 1501 Fourth Avenue, 2600 Century Square
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: PC compatible
OPERATING SYSTEM: Windows95
SOFTWARE: Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/630,155
FILING DATE: 16-Jan-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Davison, Barry L.
REGISTRATION NUMBER: 47,309
REFERENCE/DOCKET NUMBER: 49321-10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206 628-7621
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 419
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: polypeptide
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-630-155-2
Query Match 100.0%; Score 419; DB 4; Length 419;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MELAALCRWGLLALLPPGASTVCGTGMKRLPASPEHMLDMLEHTVCGCVVGNL 60
DB 1 MELAALCRWGLLALLPPGASTVCGTGMKRLPASPEHMLDMLEHTVCGCVVGNL 60
QY 61 ELTVLPTNASLSPFDIDIOEVGVVLIHNVQRVPLQRLRIVRGTQLFEDNVALAVDNG 120
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Db 61 ELTYLPTNASLSTFLDIOEVOGVYLIANQVROVPLQRLRIVRGTOLEFEDNYALAVLDNG 120
Qy 121 DPLNNTPTVTGASPGGLRELOLRSLTEILKGVLIQNPOLCYODTILMKDI FHKNNOLA 180
Db 121 DPLNNTPTVTGASPGGLRELOLRSLTEILKGVLIQNPOLCYODTILMKDI FHKNNOLA 180
Qy 181 LTLIDTNRSRACHPCSPMKSGSRGWCSESSDQSLTRTVGAGCARCKGRLPTDCHEQC 240
Db 181 LTLIDTNRSRACHPCSPMKSGSRGWCSESSDQSLTRTVGAGCARCKGRLPTDCHEQC 240
Qy 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTFESMPNPEGRTYTGASCVTACP 300
Db 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTFESMPNPEGRTYTGASCVTACP 300
Qy 301 YNYLSTDVGSCTLVCPILHNOEVTAEADGTQRCCKSKPCAR 360
Db 301 YNYLSTDVGSCTLVCPILHNOEVTAEADGTQRCCKSKPCAR 360
Qy 361 GPAHPVLSFLRPSMDIVSAFVSLPLAPLSPTSVPIPSVVGRRGPPDAHVAVNLRYEG 419
Db 361 GPAHPVLSFLRPSMDIVSAFVSLPLAPLSPTSVPIPSVVGRRGPPDAHVAVNLRYEG 419

RESULT 2

US-09-146-283-4
; Sequence 4, Application US/09146283
; Patent No. 5976546
; GENERAL INFORMATION:
; APPLICANT: Laus, Reiner
; APPLICANT: Ruegg, Curtis L.
; APPLICANT: Wu, Hongyu
; TITLE OF INVENTION: Immunostimulatory Compositions
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave. Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/146,283
; FILING DATE: 03-SEPT-1998
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Judge, Linda R.
; REGISTRATION NUMBER: 42,702
; REFERENCE/DOCKET NUMBER: 7636-0010.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-0880
; TELEFAX: 650-324-0960
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 782 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: homo sapiens
; INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
US-09-146-283-4

Query Match 81.1%; Score 340; DB 2; Length 782;
Best Local Similarity 100.0%; Pred. No. 1,1e-316; Indels 0; Gaps 0;
Matches 340; Conservative 0; Mismatches 0;

Qy 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLDMRLHYOGCCVOGNTL 60
Db 1 MELAALCRWGLLALLPPGAASVCTGTDMKRLPASPETHLDMRLHYOGCCVOGNTL 60
Qy 61 ELTYLPTNASLSTFLDIOEVOGVYLIANQVROVPLQRLRIVRGTOLEFEDNYALAVLDNG 120
Db 61 ELTYLPTNASLSTFLDIOEVOGVYLIANQVROVPLQRLRIVRGTOLEFEDNYALAVLDNG 120
Qy 121 DPLNNTPTVTGASPGGLRELOLRSLTEILKGVLIQNPOLCYODTILMKDI FHKNNOLA 180
Db 121 DPLNNTPTVTGASPGGLRELOLRSLTEILKGVLIQNPOLCYODTILMKDI FHKNNOLA 180
Qy 181 LTLIDTNRSRACHPCSPMKSGSRGWCSESSDQSLTRTVGAGCARCKGRLPTDCHEQC 240
Db 181 LTLIDTNRSRACHPCSPMKSGSRGWCSESSDQSLTRTVGAGCARCKGRLPTDCHEQC 240
Qy 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTFESMPNPEGRTYTGASCVTACP 300
Db 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDTFESMPNPEGRTYTGASCVTACP 300
Qy 301 YNYLSTDVGSCTLVCPILHNOEVTAEADGTQRCCKSKPCAR 340
Db 301 YNYLSTDVGSCTLVCPILHNOEVTAEADGTQRCCKSKPCAR 340

RESULT 3

US-08-579-823A-4
; Sequence 4, Application US/08579823A
; Patent No. 6080409
; GENERAL INFORMATION:
; APPLICANT: Laus, Reiner
; APPLICANT: Ruegg, Curtis L.
; APPLICANT: Wu, Hongyu
; TITLE OF INVENTION: Immunostimulatory Composition and Method
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Ave. Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/579,823A
; FILING DATE: 03-DEC-1998
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Judge, Linda R.
; REGISTRATION NUMBER: 42,702
; REFERENCE/DOCKET NUMBER: 7636-0010
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-0880
; TELEFAX: 650-324-0960
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 782 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: homo sapiens
; INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8
US-08-579-823A-4

Query Match 81.1%; Score 340; DB 3; Length 782;
Best Local Similarity 100.0%; Pred. No. 1,1e-316; Indels 0; Gaps 0;
Matches 340; Conservative 0; Mismatches 0;

QY 1 MELAALCRWGLLLALLPPGAASGVCTGTDMKRLRLPASPEHLDMLRHLVGGCQVQGNL 60
DB 1 MELAALCRWGLLLALLPPGAASGVCTGTDMKRLRLPASPEHLDMLRHLVGGCQVQGNL 60
QY 61 ELTYLPTNASLSFLDIOEVGGVYLIAHQVROVPLQRLRVGTOLPEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOEVGGVYLIAHQVROVPLQRLRVGTOLPEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGGVLIQRNPOLCYODTILMKDI FHKNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGGVLIQRNPOLCYODTILMKDI FHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCOSLTRVCAGGACARCKGPLPTDCHEQC 240
DB 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCOSLTRVCAGGACARCKGPLPTDCHEQC 240
QY 241 AAGCTGPKHSDDLACHFNHSGICEHCPALVTYNTDFESMPNPEGRTTGASCVTACP 300
DB 241 AAGCTGPKHSDDLACHFNHSGICEHCPALVTYNTDFESMPNPEGRTTGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPHNOEVTAEADGTORCEKSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPHNOEVTAEADGTORCEKSKPCAR 340

RESULT 4

US-09-344-195-4
Sequence 4, Application US/09344195
Patent No. 6210662

GENERAL INFORMATION:
APPLICANT: Laus, Reiner

Ruegg, Curtie L.
Wu, Hongyu

TITLE OF INVENTION: Immunostimulatory Compositions
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:

ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Ave. Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA

ZIP: 94306
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/344,195
FILING DATE: 24-Jun-1999

CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/146,283
FILING DATE: 03-SEPT-1998
ATTORNEY/AGENT INFORMATION:
NAME: Judge, Linda R.
REGISTRATION NUMBER: 42,702

REFERENCE/DOCKET NUMBER: 7636-0010.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-324-0880
TELEFAX: 650-324-0960

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:

LENGTH: 782 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ORIGINAL SOURCE:

ORGANISM: homo sapiens
INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein, Fig. 8
SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-344-195-4

Query Match 81.1%; Score 340; DB 3; Length 782;
Best Local Similarity 100.0%; Pred. No. 1,1e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELAALCRWGLLLALLPPGAASGVCTGTDMKRLRLPASPEHLDMLRHLVGGCQVQGNL 60
DB 1 MELAALCRWGLLLALLPPGAASGVCTGTDMKRLRLPASPEHLDMLRHLVGGCQVQGNL 60
QY 61 ELTYLPTNASLSFLDIOEVGGVYLIAHQVROVPLQRLRVGTOLPEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOEVGGVYLIAHQVROVPLQRLRVGTOLPEDNYALAVLDNG 120
QY 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGGVLIQRNPOLCYODTILMKDI FHKNNOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELOLRSLTEILKGGVLIQRNPOLCYODTILMKDI FHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCOSLTRVCAGGACARCKGPLPTDCHEQC 240
DB 181 LTLIDTNSRACHPCSPMCKSGRCWGESSEDCOSLTRVCAGGACARCKGPLPTDCHEQC 240
QY 241 AAGCTGPKHSDDLACHFNHSGICEHCPALVTYNTDFESMPNPEGRTTGASCVTACP 300
DB 241 AAGCTGPKHSDDLACHFNHSGICEHCPALVTYNTDFESMPNPEGRTTGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPHNOEVTAEADGTORCEKSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPHNOEVTAEADGTORCEKSKPCAR 340

RESULT 5

US-08-467-083-68
Sequence 68, Application US/08467083
Patent No. 5726023

GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.

ADDRESSEE: Disis, Mary L.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
NUMBER OF SEQUENCES: 68
CORRESPONDENCE ADDRESS:

ADDRESSEE: Seed and Berry,
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US

ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,083
FILING DATE: 06-JUN-1995

CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/414,417
FILING DATE: 06-JUN-1995

ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C2

TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 682-4900
TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid

TOPOLOGY: linear
US-08-467-083-68

Query Match 81.1%; Score 340; DB 1; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MELAALCRWGLLALILPFGAASSTOVCTGDMKRLPASPETHLMDLRHLYOGCOVQGNL 60
DB 1 MELAALCRWGLLALILPFGAASSTOVCTGDMKRLPASPETHLMDLRHLYOGCOVQGNL 60
QY 61 ELTYLPTNASLSFLQDIOEVQGVYLIANQVROVPLQRLIRVGTOLFEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLQDIOEVQGVYLIANQVROVPLQRLIRVGTOLFEDNYALAVLDNG 120
QY 121 DPLNNTPTVTGASPGGLRELOLRSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
DB 121 DPLNNTPTVTGASPGGLRELOLRSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
QY 181 LTLIDNRSRACHPCSPMCKSGRCWGESSEDCQSLTRTVCAAGCARCKGPLPTDCHEQC 240
DB 181 LTLIDNRSRACHPCSPMCKSGRCWGESSEDCQSLTRTVCAAGCARCKGPLPTDCHEQC 240
QY 241 AAGCTGPRKSDCLACIHFHNSGICELHCPALVTYNTDFEEMPNPEGRTTFGASCVTACP 300
DB 241 AAGCTGPRKSDCLACIHFHNSGICELHCPALVTYNTDFEEMPNPEGRTTFGASCVTACP 300
QY 301 YNYLSTDVSGCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340
DB 301 YNYLSTDVSGCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340

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RESULT 6
US-08-414-417B-68

/ Sequence 68, Application US/08414417B
/ Patent No. 5801005

/ GENERAL INFORMATION:
/ APPLICANT: Cheever, Martin A.
/ APPLICANT: Disis, Mary L.
/ TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
/ TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
/ TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
/ NUMBER OF SEQUENCES: 69
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Seed and Berry LLP
/ STREET: 6300 Columbia Center, 701 Fifth Avenue
/ CITY: Seattle
/ STATE: Washington
/ COUNTRY: US
/ ZIP: 98104-7092

/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/414,417B
/ FILING DATE: 31-MAR-1995
/ CLASSIFICATION: 424
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Sharkey, Richard G.
/ REGISTRATION NUMBER: 32,629
/ REFERENCE/DOCKET NUMBER: 920010.448C2
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (206) 622-4900
/ TELEFAX: (206) 682-6031

/ INFORMATION FOR SEQ ID NO: 68:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1255 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
US-08-414-417B-68

Query Match 81.1%; Score 340; DB 1; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MELAALCRWGLLALILPFGAASSTOVCTGDMKRLPASPETHLMDLRHLYOGCOVQGNL 60
DB 1 MELAALCRWGLLALILPFGAASSTOVCTGDMKRLPASPETHLMDLRHLYOGCOVQGNL 60
QY 61 ELTYLPTNASLSFLQDIOEVQGVYLIANQVROVPLQRLIRVGTOLFEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLQDIOEVQGVYLIANQVROVPLQRLIRVGTOLFEDNYALAVLDNG 120
QY 121 DPLNNTPTVTGASPGGLRELOLRSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
DB 121 DPLNNTPTVTGASPGGLRELOLRSLTEILKGVLIQRNPOLCYQDTILMKDIFHKNNOLA 180
QY 181 LTLIDNRSRACHPCSPMCKSGRCWGESSEDCQSLTRTVCAAGCARCKGPLPTDCHEQC 240
DB 181 LTLIDNRSRACHPCSPMCKSGRCWGESSEDCQSLTRTVCAAGCARCKGPLPTDCHEQC 240
QY 241 AAGCTGPRKSDCLACIHFHNSGICELHCPALVTYNTDFEEMPNPEGRTTFGASCVTACP 300
DB 241 AAGCTGPRKSDCLACIHFHNSGICELHCPALVTYNTDFEEMPNPEGRTTFGASCVTACP 300
QY 301 YNYLSTDVSGCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340
DB 301 YNYLSTDVSGCTLVCPHLNQEVTAEADGTORCEKSKPCAR 340

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RESULT 7
US-08-484-438-8

/ Sequence 8, Application US/08484438
/ Patent No. 5811098
/ Patent No. 581098 5780031

/ GENERAL INFORMATION:
/ APPLICANT: Plozman, Gregory D.
/ APPLICANT: Culouscou, Jean-Michel
/ APPLICANT: Shoyab, Mohammed
/ APPLICANT: Siegall, Clay B.
/ APPLICANT: Helicstr m, Ingegerd
/ APPLICANT: Helicstr m, Karl E.
/ TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
/ NUMBER OF SEQUENCES: 42
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Pennie & Edmonds
/ STREET: 1155 Avenue of the Americas
/ CITY: New York
/ STATE: New York
/ COUNTRY: U.S.A.
/ ZIP: 10036-2711

/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patentin Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/484,438
/ FILING DATE: 07-JUN-1995
/ CLASSIFICATION: 530
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/323,442
/ FILING DATE: 14-OCT-1994
/ APPLICATION NUMBER: US 08/150,704
/ FILING DATE: 10-NOV-1993
/ CLASSIFICATION: 530
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/981,165
/ FILING DATE: 24-NOV-1992
/ CLASSIFICATION: 530

/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mistrock, S. Leslie
/ REGISTRATION NUMBER: 18,872
/ REFERENCE/DOCKET NUMBER: 5624-230

TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-486-438-8

Query Match
Best Local Similarity 81.1%; Score 340; DB 2; Length 1255;
Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METALCWMGLLALLPPGAASVCTGTDMLRLPASPTHLDMLRHLYGCGVVGNTL 60
DB 1 METALCWMGLLALLPPGAASVCTGTDMLRLPASPTHLDMLRHLYGCGVVGNTL 60
QY 61 ELYVPTNASISFLDIOEVGVYLIANOVROVPLQRLRIVRGTOLEFDNYALAVLNG 120
DB 61 ELYVPTNASISFLDIOEVGVYLIANOVROVPLQRLRIVRGTOLEFDNYALAVLNG 120
QY 121 DPLNNTTAVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYOPTIIMKDIFFHKNOLA 180
DB 121 DPLNNTTAVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYOPTIIMKDIFFHKNOLA 180
QY 181 LTLIDTNSRACHPCSPCKSGRCWGESSEDCOSLTRIVCAGGACRCGPLEPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPCKSGRCWGESSEDCOSLTRIVCAGGACRCGPLEPTDCCHQC 240
QY 241 AAGCTGPHGSDCLALFHNSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTACP 300
DB 241 AAGCTGPHGSDCLALFHNSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEVTADGTORCEKSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPPLHNOEVTADGTORCEKSKPCAR 340

RESULT 8
US-08-486-348A-68
Sequence 68, Application US/08486348A
Patent No. 5846538
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
TITLE OF INVENTION: DISIS, Mary L.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,348A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C6

TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-486-348A-68

Query Match
Best Local Similarity 81.1%; Score 340; DB 2; Length 1255;
Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 METALCWMGLLALLPPGAASVCTGTDMLRLPASPTHLDMLRHLYGCGVVGNTL 60
DB 1 METALCWMGLLALLPPGAASVCTGTDMLRLPASPTHLDMLRHLYGCGVVGNTL 60
QY 61 ELYVPTNASISFLDIOEVGVYLIANOVROVPLQRLRIVRGTOLEFDNYALAVLNG 120
DB 61 ELYVPTNASISFLDIOEVGVYLIANOVROVPLQRLRIVRGTOLEFDNYALAVLNG 120
QY 121 DPLNNTTAVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYOPTIIMKDIFFHKNOLA 180
DB 121 DPLNNTTAVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYOPTIIMKDIFFHKNOLA 180
QY 181 LTLIDTNSRACHPCSPCKSGRCWGESSEDCOSLTRIVCAGGACRCGPLEPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPCKSGRCWGESSEDCOSLTRIVCAGGACRCGPLEPTDCCHQC 240
QY 241 AAGCTGPHGSDCLALFHNSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTACP 300
DB 241 AAGCTGPHGSDCLALFHNSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPPLHNOEVTADGTORCEKSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPPLHNOEVTADGTORCEKSKPCAR 340

RESULT 9
US-08-625-101-2
Sequence 2, Application US/08625101
Patent No. 5869445
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
TITLE OF INVENTION: COMPOUNDS FOR ELICITTING OR ENHANCING IMMUNE
TITLE OF INVENTION: REACTIVITY TO HER-2/neu PROTEIN FOR PREVENTION
TITLE OF INVENTION: OR TREATMENT OF MALIGNANCIES IN WHICH THE HER-2/neu
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/625,101
FILING DATE: 01-APR-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-625-101-2

Query Match 81.1%; Score 340; DB 2; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCWMGLLALLPPGAASVQCTGDMKRLRPASPEHLDMLRHLVGGCCVVGNTL 60
DB 1 MELALCWMGLLALLPPGAASVQCTGDMKRLRPASPEHLDMLRHLVGGCCVVGNTL 60
QY 61 ETTYLPNASSFLDIDIOEVGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120
DB 61 ETTYLPNASSFLDIDIOEVGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120
QY 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
QY 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCOSLTRIVCAGGACRCGRLPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCOSLTRIVCAGGACRCGRLPTDCCHQC 240
QY 241 AAGCTGPHGSDCLACHFNHSGICEHCPALVTYNTDFESMPNPEGRTFGASCVTACP 300
DB 241 AAGCTGPHGSDCLACHFNHSGICEHCPALVTYNTDFESMPNPEGRTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPHNOEVTADGTORCEKSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPHNOEVTADGTORCEKSKPCAR 340

RESULT 10

US-08-468-545B-68

Sequence 68, Application US/08468545B
Patent No. 5876712
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
APPLICANT: Disis, Mary L.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
NUMBER OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
CORRESPONDENCE ADDRESS:
ADDRESSER: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,545B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 68:

SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-468-545B-68

Query Match 81.1%; Score 340; DB 2; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCWMGLLALLPPGAASVQCTGDMKRLRPASPEHLDMLRHLVGGCCVVGNTL 60
DB 1 MELALCWMGLLALLPPGAASVQCTGDMKRLRPASPEHLDMLRHLVGGCCVVGNTL 60
QY 61 ETTYLPNASSFLDIDIOEVGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120
DB 61 ETTYLPNASSFLDIDIOEVGVYLIANQVQVPLQRLIRVGTQLFEDNYALAVLNG 120
QY 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
DB 121 DPLNNTTPTVGTASPGGLRELQRLSLTEILKGVLIQRNPOLCYODTILMKDIFHKNQOLA 180
QY 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCOSLTRIVCAGGACRCGRLPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCOSLTRIVCAGGACRCGRLPTDCCHQC 240
QY 241 AAGCTGPHGSDCLACHFNHSGICEHCPALVTYNTDFESMPNPEGRTFGASCVTACP 300
DB 241 AAGCTGPHGSDCLACHFNHSGICEHCPALVTYNTDFESMPNPEGRTFGASCVTACP 300
QY 301 YNYLSTDVGSCTLVCPHNOEVTADGTORCEKSKPCAR 340
DB 301 YNYLSTDVGSCTLVCPHNOEVTADGTORCEKSKPCAR 340

RESULT 11

US-08-356-786-2

Sequence 2, Application US/08356786
Patent No. 5877305
GENERAL INFORMATION:
APPLICANT: Huston, James S.
APPLICANT: Oppermann, Hermann
APPLICANT: Houston, L. L.
APPLICANT: Ring, David B.
TITLE OF INVENTION: Biosynthetic Binding Protein for Cancer
TITLE OF INVENTION: Marker
NUMBER OF INVENTION: 16
CORRESPONDENCE ADDRESS:
ADDRESSER: Edmund R. Pitcher, Testa, Hurwitz, & Thibault
STREET: Exchange Place, 53 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/356,786
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/831,967
FILING DATE: 06-FEB-1992
ATTORNEY/AGENT INFORMATION:
NAME: Pitcher, Edmund R.
REGISTRATION NUMBER: 27,829
REFERENCE/DOCKET NUMBER: CRP-053
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-356-786-2

Query Match 81.1%; Score 340; DB 2; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCRWGLLALLPFGAASSTVCTGDMKRLRIPASPEHLDMLRHLYGCGVVGNTL 60
DB 1 MELALCRWGLLALLPFGAASSTVCTGDMKRLRIPASPEHLDMLRHLYGCGVVGNTL 60
QY 61 ELTYLPTNASLSFLDIOEVGVYLIANQVRQVPLQRLRIVRGTLFEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOEVGVYLIANQVRQVPLQRLRIVRGTLFEDNYALAVLDNG 120
QY 121 DPLNNTTPVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTIIMKDI FHKNNOLA 180
DB 121 DPLNNTTPVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTIIMKDI FHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVACAGCARCKGPLPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVACAGCARCKGPLPTDCCHQC 240
QY 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVSGCTLVCPLNQEVTAEDGTORCEKSKPCAR 340
DB 301 YNYLSTDVSGCTLVCPLNQEVTAEDGTORCEKSKPCAR 340

RESULT 12
US-08-466-680B-68
Sequence 68, Application US/08466680B
Patent No. 6075122
GENERAL INFORMATION:
APPLICANT: Cheever, Martin A.
APPLICANT: Disig, Mary L.
TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed and Berry LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: US
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,680B
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Sharkey, Richard G.
REGISTRATION NUMBER: 32,629
REFERENCE/DOCKET NUMBER: 920010.448C4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:

LENGTH: 1255 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-466-680B-68

Query Match 81.1%; Score 340; DB 3; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCRWGLLALLPFGAASSTVCTGDMKRLRIPASPEHLDMLRHLYGCGVVGNTL 60
DB 1 MELALCRWGLLALLPFGAASSTVCTGDMKRLRIPASPEHLDMLRHLYGCGVVGNTL 60
QY 61 ELTYLPTNASLSFLDIOEVGVYLIANQVRQVPLQRLRIVRGTLFEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOEVGVYLIANQVRQVPLQRLRIVRGTLFEDNYALAVLDNG 120
QY 121 DPLNNTTPVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTIIMKDI FHKNNOLA 180
DB 121 DPLNNTTPVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTIIMKDI FHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVACAGCARCKGPLPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVACAGCARCKGPLPTDCCHQC 240
QY 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
DB 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300
QY 301 YNYLSTDVSGCTLVCPLNQEVTAEDGTORCEKSKPCAR 340
DB 301 YNYLSTDVSGCTLVCPLNQEVTAEDGTORCEKSKPCAR 340

RESULT 13
US-09-527-487-2
Sequence 2, Application US/09527487
Patent No. 6528060
GENERAL INFORMATION:
APPLICANT: Nicolette, Charles
FILE REFERENCE: 126881309200
CURRENT APPLICATION NUMBER: US/09/527,487
CURRENT FILING DATE: 2000-03-16
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 1255
TYPE: PRT
ORGANISM: Homo sapiens
US-09-527-487-2

Query Match 81.1%; Score 340; DB 4; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1.8e-316;
Matches 340; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MELALCRWGLLALLPFGAASSTVCTGDMKRLRIPASPEHLDMLRHLYGCGVVGNTL 60
DB 1 MELALCRWGLLALLPFGAASSTVCTGDMKRLRIPASPEHLDMLRHLYGCGVVGNTL 60
QY 61 ELTYLPTNASLSFLDIOEVGVYLIANQVRQVPLQRLRIVRGTLFEDNYALAVLDNG 120
DB 61 ELTYLPTNASLSFLDIOEVGVYLIANQVRQVPLQRLRIVRGTLFEDNYALAVLDNG 120
QY 121 DPLNNTTPVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTIIMKDI FHKNNOLA 180
DB 121 DPLNNTTPVTGASPGGLRELQRLSLTEILKGGVLIQRNPOLCYODTIIMKDI FHKNNOLA 180
QY 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVACAGCARCKGPLPTDCCHQC 240
DB 181 LTLIDTNSRACHPCSPMKSGRCWGESSEDCQSLRTVACAGCARCKGPLPTDCCHQC 240
QY 241 AAGCTGPHSDCLACLFHNSGICELHCPALVTYNTDFESMPNDEGRYTFGASCVTACP 300

Db 241 AAGCTGPKHSDCLACIHFHNSGICELHCPALVTYNTDFESMPNPEGRTFGASCVTACP 300
QY 301 YNYLSTDVSCCTLVNCPHNOEVTARDGTORCEKSKPCAR 340
Db 301 YNYLSTDVSCCTLVNCPHNOEVTARDGTORCEKSKPCAR 340

RESULT 14

US-08-422-108-1
; Sequence 1, Application US/08422108
; Patent No. 6015567
; GENERAL INFORMATION:
; APPLICANT: Hudziak, Robert M.
; APPLICANT: Shepard, H. Michael
; APPLICANT: Ulrich, Axel
; TITLE OF INVENTION: HER2 EXTRACELLULAR DOMAIN
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/422,108
; FILING DATE: 14-Apr-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/355460
; FILING DATE: 13-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/048346
; FILING DATE: 15-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/354319
; FILING DATE: 19-MAY-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M
; REGISTRATION NUMBER: 00,000
; REFERENCE/DOCKET NUMBER: 554C2D2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEFAX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 624 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-422-108-1

Query Match 76.1%; Score 319; DB 3; Length 624;
Best Local Similarity 100.0%; Pred. No. 1.1e-296;
Matches 319; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 22 STOVCTGDMKRLRPASPEHLDMLRHLVYQGCVOVQGNLELYLPTNASTSLFLDIOIEVQ 81
1 STOVCTGDMKRLRPASPEHLDMLRHLVYQGCVOVQGNLELYLPTNASTSLFLDIOIEVQ 60
QY 82 GYVLIANQOVQVPLQRLRIVRGTOLEFDNVALAVLDNCDPLNNTPTVGTASPGGLREIQ 141
61 GYVLIANQOVQVPLQRLRIVRGTOLEFDNVALAVLDNCDPLNNTPTVGTASPGGLREIQ 120
QY 142 LRSLEIILKGVLIQNPOLCYODITLWQDIFHKNNQALTLITDNRSAACPGSPMCKG 201
121 LRSLEIILKGVLIQNPOLCYODITLWQDIFHKNNQALTLITDNRSAACPGSPMCKG 180
Db

QY 202 SRCWESSEDCQSILRTVACAGCARCKPLPTDCHEQCAAGCTGPKHSDCLACIHFHNS 261
Db 181 SRCWESSEDCQSILRTVACAGCARCKPLPTDCHEQCAAGCTGPKHSDCLACIHFHNS 240
QY 262 GICEIHCALVYNTYNTDFESMPNPEGRTFGASCVTACPYNLSTDVSCCTLVCPHNOE 321
Db 241 GICEIHCALVYNTYNTDFESMPNPEGRTFGASCVTACPYNLSTDVSCCTLVCPHNOE 300
QY 322 VTAEDGTORCEKSKPCAR 340
Db 301 VTAEDGTORCEKSKPCAR 319

RESULT 15

US-08-422-734-1
; Sequence 1, Application US/08422734
; Patent No. 6333169
; GENERAL INFORMATION:
; APPLICANT: Hudziak, Robert M.
; APPLICANT: Shepard, H. Michael
; APPLICANT: Ulrich, Axel
; TITLE OF INVENTION: HER2 EXTRACELLULAR DOMAIN
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/422,734
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/422108
; FILING DATE: 14-Apr-1995
; APPLICATION NUMBER: 08/355460
; FILING DATE: 13-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/048346
; FILING DATE: 15-APR-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/354319
; FILING DATE: 19-MAY-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M
; REGISTRATION NUMBER: 00,000
; REFERENCE/DOCKET NUMBER: 554C2D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEFAX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 624 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-422-734-1

Query Match 76.1%; Score 319; DB 4; Length 624;
Best Local Similarity 100.0%; Pred. No. 1.1e-296;
Matches 319; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 22 STOVCTGDMKRLRPASPEHLDMLRHLVYQGCVOVQGNLELYLPTNASTSLFLDIOIEVQ 81
1 STOVCTGDMKRLRPASPEHLDMLRHLVYQGCVOVQGNLELYLPTNASTSLFLDIOIEVQ 60
Db

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Qy 82 GYVLIAHNQROVPLQRLRIVRGTQLFEDNVALAVLDNGDPLNNTTPTVTGASPGGLREIQ 141
    |||||
Db 61 GYVLIAHNQROVPLQRLRIVRGTQLFEDNVALAVLDNGDPLNNTTPTVTGASPGGLREIQ 120
    |||||
Qy 142 LRSLTEILKGGVLIQRPOLCYODTILMKDIFHKNNQALTLIDTNRSRACHPCSPMCKG 201
    |||||
Db 121 LRSLTEILKGGVLIQRPOLCYODTILMKDIFHKNNQALTLIDTNRSRACHPCSPMCKG 180
    |||||
Qy 202 SRCWGESSEDCOSLIRTVACAGGACARCKGPLPTDCCHQCAAGCTGPKHSDCLACHFNHS 261
    |||||
Db 181 SRCWGESSEDCOSLIRTVACAGGACARCKGPLPTDCCHQCAAGCTGPKHSDCLACHFNHS 240
    |||||
Qy 262 GICELHCPALVTYNTDTFESMPNPEGRTYTFGASCVTACPYNYLSTDVGSCTLVCPILNQE 321
    |||||
Db 241 GICELHCPALVTYNTDTFESMPNPEGRTYTFGASCVTACPYNYLSTDVGSCTLVCPILNQE 300
    |||||
Qy 322 VTAEDGTQRCCKSKPCAR 340
    |||||
Db 301 VTAEDGTQRCCKSKPCAR 319
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Search completed: September 7, 2003, 08:58:20
Job time : 44.751 secs

